(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 17 February 2005 (17.02.2005)

PCT

(10) International Publication Number WO 2005/015184 A1

(51) International Patent Classification⁷: G03H 1/02, A61B 5/00, B29C 35/08

G01N 21/77,

(21) International Application Number:

PCT/EP2004/006492

(22) International Filing Date:

16 June 2004 (16.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/491.014

30 July 2003 (30.07.2003) US

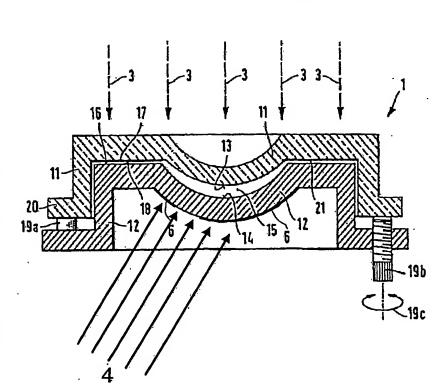
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: REFLECTION HOLOGRAM SENSOR IN CONTACT LENS



(57) Abstract: This invention is generally related to a biocompatible sensor for detecting/measuring an analyte of interest in a body fluid and a method for making the biocompatible sensor. biocompatible sensor of invention comprises, consists essentially, or consists of a reflection hologram therein or thereon. wherein the reflection hologram is produced in a crosslinkable and/or polymerizable fluid material. The polymer matrix contains a molecular sensing moiety which interacts or reacts with an analyte of interest to provide an optical signal which is indicative of a change in one or more optical properties of the reflection hologram.

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SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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